

South Dakota

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	1,043	453,928	50	Total R&D performance, 1995 (millions)	\$55	\$177,210	51
Doctoral engineers, 1995	77	86,738	52	Industry R&D, 1995 (millions)	\$19	\$130,332	48
S&E doctorates awarded, 1996	24	27,230	52	Academic R&D, 1996 (millions)	\$25	\$22,481	52
of which, in life sciences	63%	25%		of which, in life sciences	54%	56%	
in psychology	17%	13%		in environmental sciences	14%	6%	
in physical sciences	8%	14%		in physical sciences	12%	10%	
S&E postdoctorates, 1996	21	37,019	50	Higher education current-fund expenditures, 1995 (millions)	\$322	\$182,602	51
in doctorate-granting institutions							
S&E graduate students, 1996	1,256	430,631	46	Number of SBIR awards, 1990-1997	20	31,155	48
in doctorate-granting institutions				Patents issued to state residents, 1997	46	61,699	49
Population, 1997 (000s)	738	271,464	46	Gross state product, 1996 (billions)	\$20.3	\$7,677.4	48
Civilian labor force, 1997 (000s)	393	137,564	46	of which, agriculture	10%	2%	
Personal income per capita, 1997	\$21,447	\$25,598	38	manufacturing, mining, construction	19%	23%	
Federal spending				transportation, communication, utilities	8%	8%	
Total expenditures, 1997 (millions)	\$4,149	\$1,405,060	49	wholesale and retail trade	15%	16%	
R&D obligations, 1996 (millions)	\$35	\$66,087	52	finance, insurance, real estate	21%	19%	
				services	16%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	34,617	18,244	0	6,412	8,465	917	579	52
Department of Agriculture	5,269	2,512	0	0	2,757	0	0	46
Department of Commerce	676	9	0	0	292	375	0	41
Department of Defense	1,213	403	0	800	10	0	0	52
Department of Energy	0	0	0	0	0	0	0	52
Dept. of Health & Human Services	2,974	741	0	335	1,181	542	175	49
Department of Interior	12,917	7,772	0	4,995	110	0	40	10
Department of Transportation	444	0	0	4	76	0	364	48
Environmental Protection Agency	0	0	0	0	0	0	0	na
Nat'l Aeronautics & Space Admin.	7,902	6,807	0	64	1,031	0	0	30
National Science Foundation	3,222	0	0	214	3,008	0	0	50
State rank	52	45	na	45	52	47	46	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable